

10/819,624
501.35478CX23**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): H. MIWA, et al

Serial No.: Not yet assigned

Filed: March 29, 2004

For: CLOCK SYNCHRONIZED NON-VOLATILE MEMORY DEVICE

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97 & 1.98****MS DD**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 29, 2004

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).

"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."

Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 10/373,737, filed February 27, 2003; which is a continuation of application Serial No. 10/223,485, filed August 20, 2002; Serial No. 10/223,220, filed August 20, 2002; which is a continuation of application Serial No. 10/020,873, filed December 19, 2001; which is a continuation of application Serial No.

10/810,624

09/817,021, filed March 27, 2001, now U.S. Patent No. 6,366,495; which is a continuation of application Serial No. 09/583,949, filed May 31, 2000, now U.S. Patent No. 6,256,230; which is a continuation of application Serial No. 09/287,187, filed April 6, 1999, now U.S. Patent No. 6,111,790; which is a continuation of application Serial No. 09/053,494, filed April 2, 1998, now U.S. Patent No. 6,038,165; which is a continuation of application Serial No. 08/860,793, filed July 9, 1997, now U.S. Patent No. 5,889,698.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (501.35478CX23) please credit any excess fees to such deposit account.

Respectfully submitted,

CIB/jdc
(703) 312-6600

Carl I. Brundidge
Registration No. 29,621
ANTONELLI, TERRY, STOUT & KRAUS, LLP

SHEET 1 OF 5

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

501.35478CX23

SERIAL NO.

Not yet assigned

APPLICANT

MIWA, et al

FILING DATE

March 29, 2004

GROUP

2818

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILE IF APPLICABLE
	4 9 6 4 0 7 9	10/90	Devin			
	5 3 6 5 4 8 6	11/94	Schreck			
	5 4 1 2 6 0 1	5/95	Sawada et al	365	185.03	
	5 8 3 1 9 0 0	11/98	Miyamoto	365	185.03	
	5 7 4 5 4 0 9	4/98	Wong et al	365	185.03	
	5 5 5 5 2 0 4	9/96	Endoh et al	365	189.01	
	5 1 5 1 3 8 7	9/92	Brady et al	437	191	4/30/01
	5 0 8 4 4 1 7	1/92	Joshi et al	437	192	3/13/01
	5 0 5 9 5 5 4	10/91	Spinner et al	437	193	6/23/01
	5 1 7 2 3 3 8	12/92	Mehrotra et al			
	5 1 3 8 5 7 6	8/92	Madurawe			
	5 4 8 7 0 3 6	1/96	Akaogi et al	365	185.23	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
5 9 1 2 1 6 9 6	7/84	Japan			YES
4 2 3 8 1 9 6	8/92	Japan			XX
4 5 7 2 9 4	2/92	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Digest of Technical Papers, ATP 2.1: A 3.3V 128Mb Multi-level NAND Flash Memory for Mass Storage Applications, T. Jung, et al., ISSCC96/Session 2/Flash Memory/Paper TP 2.1, 1996 IEEE International State Circuits Conf.
Betty Prince, "Semiconductor Memories", 1983, Wiley, 2 nd Edition, pp. 620-621.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. I copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

SHEET 2 OF 5

10/810,624

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

501.35478CX23

SERIAL NO.

Not yet assigned

APPLICANT
MIWA, et al

FILING DATE

March 29, 2004

GROUP

2818

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 6 7 7 8 6 8	10/97	Takahashi, et al	365	185	
	5 7 6 8 1 9 3	6/98	Lee, et al	365	185.25	
	5 7 5 7 6 9 9	5/98	Takeshima, et al	365	185.24	
	5 7 9 6 6 5 2	8/98	Takeshima, et al	365	185.03	
	5 7 5 4 4 6 9	5/98	Hung, et al	365	185.03	
	5 7 4 8 5 3 3	5/98	Dunlap, et al	365	185.19	
	5 7 5 4 4 7 5	5/98	Bill, et al	365	185.25	
	5 6 8 7 1 1 4	11/97	Khan	365	185.03	
	5 7 6 8 1 8 8	6/98	Park, et al	365	185.03	
	5 4 4 0 5 0 5	8/95	Fazio, et al	365	45	
	5 4 5 0 3 6 3	9/95	Christopherson	365	205	
	5 1 6 3 0 2 1	11/92	Mehrotra, et al	365	185	
	5 7 6 8 1 9 1	6/98	Choi, et al	365	185.22	
	5 5 6 6 1 2 5	10/96	Fazio	365	45	
	5 2 0 0 9 2 0	4/93	Norman, et al	365	185	
	5 6 7 5 5 3 7	10/97	Bill, et al	365	185.22	
	4 8 6 0 2 5 8	8/89	Fruhauf, et al	365	194	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

SHEET 3 OF 5

10/810, 624

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

501.35478CX23

SERIAL NO.

Not yet assigned

APPLICANT
MIWA, et al

FILING DATE

March 29, 2004

GROUP

2818

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 9 1 5 1 0 5	6/99	Farmwald et al			
	6 0 3 8 1 6 5	3/00	Miwa	365	185.03	
	4 4 3 5 7 8 6	3/84	Tickle	365	185	
	5 6 9 4 3 5 7	12/97	Mori	365	185.03	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	ABSTRACT	
						YES	NO
	6 2 6 4 9 3	2/87	Japan			XX	
	6 2 3 4 3 9 8	2/87	Japan			XX	
6	2 2 5 7 6 9 9	11/87	Japan			XX	
6	2 2 9 8 9 9 9	12/87	Japan			XX	
6	3 2 7 6 7 9 1	11/88	Japan			XX	
	2 4 0 1 9 8	2/90	Japan			XX	
	2 2 6 0 2 9 8	10/90	Japan			XX	
	3 2 3 7 6 9 2	10/91	Japan			XX	
	4 5 7 2 9 4	2/92	Japan			XX	
	4 1 8 4 7 9 4	7/92	Japan			XX	
	4 2 3 8 1 9 6	8/92	Japan			XX	
0	6 1 3 1 8 8 1	5/94	Japan			XX	
0	6 1 9 5 9 8 7	7/94	Japan			XX	
0	6 2 6 7 2 8 5	9/94	Japan			XX	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

SHEET 4 OF 5

10/810,624

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

ATTY. DOCKET NO.

501.35478CX23

SERIAL NO.

Not yet assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
MIWA, et al

FILING DATE
March 29, 2004

GROUP
2818

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 3 2 7 3 9 0	7/94	Takasugi	365	230	
	5 4 7 3 5 7 0	12/95	Sato et al	365	221	
	6 0 1 1 8 8 0	1/00	Tani et al	382	312	
	6 3 6 6 4 9 5	4/02	Miwa et al	365	185.03	
	6 4 5 9 6 1 4	10/02	Miwa et al	365	185.03	
	6 0 4 4 0 3 1	3/00	Iadanza et al	365	230.03	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
						YES NO
	1 2 7 3 2 9 4	11/89	Japan			XX
0	7 0 5 7 4 8 4	3/95	Japan			XX
0	2 1 5 4 9 7		Japan			X
0	6 3 0 9 8 9 0	11/94	Japan			XX
0	1 2 3 8 4 2	9/79	Japan			
	1 1 3 4 7 9 3	5/89	Japan			x
	5 2 1 0 9 9 1	8/93	Japan			XX
	6 2 5 1 5 9 1	9/94	Japan			x
	7 9 3 9 7 9	4/95	Japan			XX
	2 0 4 0 1 9 8	2/90	Japan			XX

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

10/810, 624

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

ATTY. DOCKET NO.

501.35478CX23

SERIAL NO.

Not yet assigned

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT
H. MIWA, et al

FILING DATE
March 29, 2004

GROUP
2818

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 2 9 7 0 2 9	3/94	Nakai et al	365	238.5	
	4 6 9 2 8 8 6	9/87	Miki et al	364	718	
	5 4 2 2 8 5 8	6/95	Mizukami et al	365	233	
	5 5 3 9 6 8 8	7/96	Yiu, et al	365	185.14	
	5 5 4 4 0 9 9	8/96	Hara	365	185.19	
	5 6 7 7 8 6 9	10/97	Fazio, et al	365	185.03	
	5 6 1 5 1 5 3	3/97	Yiu, et al	365	185.19	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 6 2 8 2 9 9 2	10/94	Japan			XX
0 7 1 6 1 8 5 2	6/95	Japan			XX
0 6 0 7 6 5 8 6	3/94	Japan			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])